

MODIS Technical Team Meeting
Thursday, July 29, 20004
Building 33, Room E125

Vince Salomonson chaired the meeting. In attendance were Ed Masuoka, Steve Berrik, Michael King, Bruce Geunther, Dorothy Hall, Jack Xiong, Bob Barnes, Bill Barnes, and Chris Justice, with Yolanda Harvey taking the minutes.

1.0 Upcoming Events

- MODIS Vegetation Workshop II, University of Montana, August 17 - 19 2004
- AIAA Space 2004 Conference and Exhibit, San Diego, California, September 28-30 2004. <http://www.aiaa.org/>
- Snow and Ice User Workshop, SSAI offices, Aerospace Building, Lanham MD. November 16-17, 2004.

2.0 Meeting Minutes

2.1 General Discussion

Salomonson asked about the status of the improved Land Water Mask product being produced at Boston University. Justice said that it is under discussion, though it will probably be the accepted as advantageous. Currently the investigators are recognizing that the inland water and river bodies are not as they should be. This is an issue that should be addressed in Collection 6, so the product will likely go in as-is for Collection 5. The current problem is a lack of funding.

2.2 Instrument Status

Salomonson reported that issues associated with atmospheric profiles, water vapor loading and cirrus have been resolved at NASA HQ. Diane Wickland took care of this via working with Jack Kaye as one of her last acts before fully moving over to the NPP project.

Bill Barnes reported that there had been a meeting with the disciplines wherein it was decided that there will be no substantive L1B changes for Collection 5. The only changes will be modifications already planned by MCST to make changes to calibration easier to implement through look-up tables

Barnes reported that the MCST group would like to have another Deep Space Maneuver (DSM) for Terra before the end of its life. Salomonson agreed.

Salomonson asked if there has been progress on rectifying the issues surrounding Aqua MODIS and SeaWiFS comparisons. Barnes reported that M1 and processing testing is ongoing. Their only real concern right now is that the polarization analysis might come to a stop until Walushka's study is done. Otherwise, they're continuing their work as normal.

2.3 DAAC

Berrik reported that everything is fine with the DAAC.

2.4 SDST

Masuoka reported that in order to make the high level products on the reprocessing schedule for Collection 5, it is necessary for MODAPS to produce them starting from L0 data. When the MODAPS team compared their products to what the DAAC is producing, they found three instances in the Cloud Mask where the values are different, so they're working with Rich Hucek to look at production rules at the DAAC to see if that's where the difference is arising. They've found that comparing the two streams is a useful practice.

As for the Team Leader Working Agreement for MODIS, Masuoka submitted his changes and Gene Feldman will add his comments when he returns from vacation.

Masuoka reported that they're waiting on PGE06 from the Atmospheres group, which if they can get this week will mean that MODAPS will be able to begin the Collection 5 reprocessing for Atmosphere on January 1, 2005.

Masuoka reported attending a meeting on the Earth System Data Records at NASA HQ. There were people there representing Land, Ocean Color, Sea Surface Temperature, Atmospheric Chemistry and Radiation, and Energy and Radiation Budget. Each representative gave a short presentation of requirements in their discipline area for long-term data records and a list of 5 to 10 long-term data records that were being produced or could be produced in the future. The objective of the meeting was to develop a plan for selecting 10 long-term data records that will be supported for Earth Sciences. Masuoka also mentioned that Dr. Mary Cleave asked about progress in moving products to NOAA's long-term archive and that he noted that efforts are underway to ship MODIS Level 0, Geolocation and Level 1B products to NOAA's CLASS (Comprehensive Large Array-data Stewardship System) for long-term archiving and distribution. Most Geolocation and Level 1B products will be shipped as part of the Collection 5 reprocessing though Geolocation and Level 1B products will be shipped now in order to test interfaces to CLASS.

2.5 Oceans

Bob Barnes reported that a paper will be presented at an STI Remote Sensing Meeting in September involving the use of the Moon maneuver for calibration purposes.

2.6 Land

Justice said that he didn't think we need the sub-discipline workshop presentations up on the MODIS website. That was more of a working session than a public meeting, and so aren't really appropriate for public viewing. He said he would think about which presentations are suitable for the website, and let Salomonson and Maccherone know. In any case, the report back on the third day of the meeting covered everything important from the workshop.

Justice reported that he and Kempler will be holding a workshop soon. A Land Special Edition is being put together as well, and it will hopefully be more focused on ICCP and size results. It will likely go into an online journal, and would hopefully be done by Christmas.

2.7 Cryosphere

Hall reported that the second announcement for the EOS Snow and Ice Workshop will be going out on July 30, 2004. This will also include the preliminary agenda.

3.0 Action Items

3.1 New Action Items

No new action items.

3.2 Old Action Items

3.2.1 Tech Team to further discuss TRW using MODIS data for validation of the NPP/NPOESS production process.

Status: Open.

3.2.2 Johnston to determine what data should be going into the DAAC.

Status: Open.

Johnston reported being at the beginning stages of laying out details for Collection 5, and is trying to identify the right levels for the Science Team in terms of data archiving.